

Converting Colors

XYZ(21.4447, 26.8499, 49.1814)

Have a look what the booklet for
XYZ(21.4447, 26.8499, 49.1814)
contains.

XYZ(21.5643, 27.0274, 49.4277)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(21.5643, 27.0274,
49.4277)**

Conversions

Conversions Part 1

Format	Color
Hex	3699B8
RGB	54, 153, 184
RGB Percent	21%, 60%, 72%
CMY	0.7882, 0.4000, 0.2784
CMYK	0.71, 0.17, 0.00, 0.28
HSL	194°, 55%, 47%
HSV	194°, 71%, 72%
XYZ	21.5643, 27.0274, 49.4277
YIQ	126.9330, -68.9550, -11.3470

Conversions

Conversions Part 2

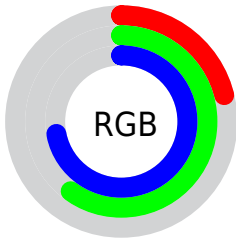
Format	Color
RYB	54, 110, 184
Decimal	3578296
CIELab	59.00, -18.32, -24.40
CIELCh	59, 30.511, 233.100
Yxy	27.0274, 0.2200, 0.2757
Android (android.graphics.Color)	4281768376 (0xFF3699B8)
YUV	126.9330, 28.1340, -63.9622
Hunter-Lab	51.9879, -16.9379, -19.9787

Details

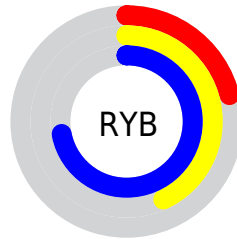
The XYZ color **21.5643, 27.0274, 49.4277** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **23.6826, 16.9551, 5.5156**, and the grayscale version is **20.0745, 21.1199, 22.9996**.

A 20% lighter version of the original color is **45.3771, 54.6988, 90.6044**, and **8.8481, 11.1414, 23.1569** is the 20% darker color. If you saturate the color by 10%, you get **20.0523, 25.2018, 49.1555**, and if you desaturate by 10%, it is **23.4780, 29.1003, 49.7275**.

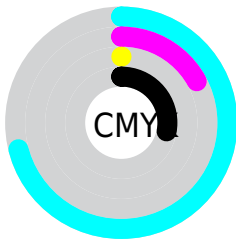
Distribution



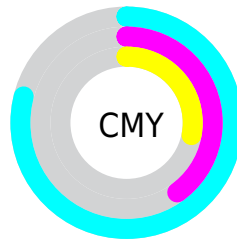
- Red (21%)
- Green (60%)
- Blue (72%)



- Red (21%)
- Yellow (43%)
- Blue (72%)



- Cyan (71%)
- Magenta (17%)
- Yellow (0%)
- Black (28%)



- Cyan (79%)
- Magenta (40%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.5643, 27.0274, 49.4277 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 21.5643, 27.0274, 49.4277 by changing the saturation by 10% instead.

■ 21.5643, 27.0274,
49.4277

■ 21.5643, 27.0274,
49.4277

252.9378,
287.7898, 401.0944

■ 13.6519, 17.5938,
34.5909

■ 45.5091, 54.9278,
90.7139

■ 7.9590, 10.6588,
23.0669

■ 62.2721, 74.1635,
118.0004

■ 4.1203, 5.8379,
14.4371

■ 82.7161, 97.4352,
150.2738

■ 1.7704, 2.7467,
8.2831

■ 107.2065,
125.1275, 187.9528

■ 0.4998, 1.0010,
4.1863

■ 136.1084,
157.6247, 231.4558

■ 0.0000, 0.0000,
1.7281

169.7874,

■ 0.0000, 0.0000,

195.3112, 281.2013

0.3799

208.6087,
238.5714, 337.6080

■ 0.0000, 0.0000,
0.0000

■ 21.5643, 27.0274,
49.4277

■ 21.5643, 27.0274,
49.4277

■ 20.0523, 25.2018,
49.1555

■ 23.4780, 29.1003,
49.7275

■ 18.8943, 23.5970,
48.9068

■ 25.8286, 31.4376,
50.0547

■ 18.0478, 22.2528,
48.6920

■ 28.6506, 34.0579,
50.4118

■ 31.9740, 36.9771,
50.8001

■ 35.8261, 40.2097,
51.2210

■ 40.2325, 43.7692,
51.6758

■ 45.2168, 47.6682,
52.1657

■ 50.8013, 51.9185,
52.6917

■ 57.0071, 56.5315,
53.2551

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



19.5623, 27.0274, 38.3811



21.5643, 27.0274, 49.4277



24.8248, 27.0274, 55.3312

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



21.5643, 27.0274, 49.4277



33.6075, 27.0274, 32.0024



22.9394, 27.0274, 14.1250

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



21.5643, 27.0274, 49.4277



23.6826, 16.9551, 5.5156

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



26.5725, 27.0274, 13.2139



21.5643, 27.0274, 49.4277



32.9768, 27.0274, 21.9886

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



21.5643, 27.0274, 49.4277



31.9555, 27.0274, 43.7913



30.3081, 27.0274, 15.7154



20.3001, 27.0274, 18.6091

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



21.5643, 27.0274, 49.4277



27.3729, 27.0274, 54.7373



30.3081, 27.0274, 15.7154



24.0751, 27.0274, 13.4447

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



21.5652, 27.0284, 49.4284



64.4200, 72.4586, 92.7952



20.2761, 35.7114, 14.2819



13.4588, 15.2650, 19.9587



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.5652, 27.0284, 49.4284



35.0651, 43.9587, 88.8414



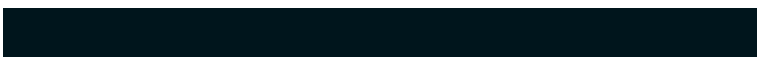
13.7189, 11.3358, 46.8129



9.0803, 9.8378, 11.4997



12.4950, 15.4497, 33.5766



0.4850, 0.6338, 1.1985

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



26.8369, 15.1296, 31.6437



45.8794, 23.4984, 51.4731



31.2342, 32.0584, 8.0328



9.2869, 9.1251, 10.8581



16.9206, 8.3420, 18.0004



0.6190, 0.3031, 0.7530

Previews

White Background



This preview shows how the XYZ color 21.5643, 27.0274, 49.4277 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 21.5643, 27.0274, 49.4277 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

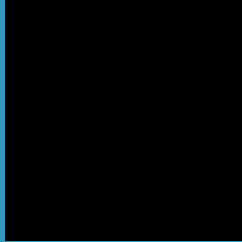
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.5643, 27.0274, 49.4277

Background



This preview shows how black text looks on a background with the XYZ color 21.5643, 27.0274, 49.4277.

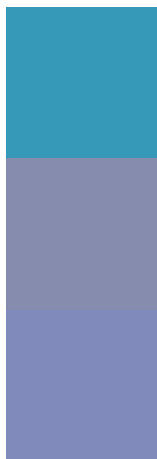


This preview shows how white text looks on a background with the XYZ color 21.5643, 27.0274,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

21.5643, 27.0274, 49.4277

Protanopia

26.6909, 26.7987, 43.8103

Deuteranopia

27.2555, 26.7202, 50.7347



Tritanopia

19.9526, 27.1177, 41.2284

Trichromacy



Original Color

21.5643, 27.0274, 49.4277

Protanomaly

23.8702, 26.4082, 45.9587

Deuteranomaly

24.3157, 26.3165, 50.2524

Tritanomaly

20.5336, 27.1030, 44.1936

Monochromacy



Original Color

21.5643, 27.0274, 49.4277

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

19.4050, 22.4558, 31.3286

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5643, 27.0274, 49.4277 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(54, 153, 184)` looks like.

```
.text, #text, p{  
    color:rgb(54, 153, 184)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(54, 153, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 153, 184) }
```

Border

The CSS property to change the border of an element to XYZ 21.5643, 27.0274, 49.4277 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(54, 153, 184) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(54, 153, 184) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(54, 153, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 153, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 153, 184);  
box-shadow:4px 4px 4px 4px rgb(54, 153,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 21.5643, 27.0274, 49.4277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 153, 184) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(54, 153,  
184) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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